



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Phoenix Architectural Products, Inc.
3075 Jonquil Drive, SE
Smyrna, GA 30080

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Sure guard 2004" Window Security Barrier Systems

APPROVAL DOCUMENT: Drawing No. SG04-2012, titled "Sure Guard 2004 / Window Security Barrier System", sheets 1 through 10 of 10, prepared by V. M. Engineering, Inc., dated April 22, 2015, signed and sealed by Morgan Villanueva, P.E., on April 22, 2015, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 12-1012.01 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, & E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, M.S., P.E.**



Helmy A. Makar
05/28/2015

NOA No. 15-0427.13
Expiration Date: 06/10/2019
Approval Date: 05/28/2015

Phoenix Architectural Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 04-0423.01

A. DRAWINGS

1. *Drawing No. S100-01, titled " Sure Guard 2004 / Window Security Barrier Systems ", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated March 25, 2004, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 304 Stainless Steel Wire Mesh window security barrier system, prepared by Hurricane Test Laboratory, LLC, Report No. 0340-0310-04, dated April 7, 2004, signed and sealed by Vinu J. Abraham, P.E.*

C. CALCULATIONS

1. *Anchor calculations dated May 17, 2004, 13 pages, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report issued by Screen Technology Group, Inc., dated April 8, 2004, with chemical analysis and mechanical properties for 304 Stainless Steel Wire Mesh.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #05-0921.04

A. DRAWINGS

1. *Drawing No. 05-282, titled " Sure Guard 2004 / Window Security Barrier Systems", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated August 15, 2005, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

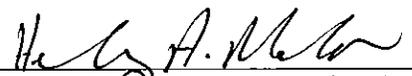
1. *Anchor calculations dated September 16, 2005, 7 pages, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Henry A. Makar, M.S., P.E.
Product Control Unit Supervisor
NOA No. 15-0427.13
Expiration Date: 06/10/2019
Approval Date: 05/28/2015

Phoenix Architectural Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0408.04

A. DRAWINGS

1. *Drawing No. 09-083, titled " Sure Guard 2004 / Window Security Barrier Systems", sheets 1 through 6 of 6, prepared by Tilteco, Inc., dated June 02, 2009, signed and sealed by Walter A. Tillit Jr., P.E., on June 02, 2009.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Anchor calculations dated June 02, 2009, 11 pages, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0608.01

A. DRAWINGS

1. *Drawing No. SG04-12, titled "Sure Guard 2004 / Window Security Barrier System", sheets 1 through 6 of 6, prepared by V. M. Engineering, Inc., dated August 27, 2012, signed and sealed by Morgan Villanueva, P.E., on August 29, 2012.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

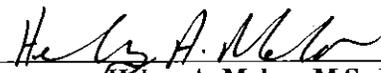
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *FBC 2010 Edition compliance letter, prepared by V. M. Engineering, Inc., dated June 11, 2012, signed and sealed by Morgan Villanueva, P.E.*



Helmy A. Makar, M.S., P.E.
Product Control Unit Supervisor
NOA No. 15-0427.13
Expiration Date: 06/10/2019
Approval Date: 05/28/2015

Phoenix Architectural Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-1012.01

A. DRAWINGS

1. *Drawing No. SG04-2012, titled "Sure Guard 2004 / Window Security Barrier System", sheets 1 through 10 of 10, prepared by V. M. Engineering, Inc., dated October 05, 2012, signed and sealed by Morgan Villanueva, P.E., on January 15, 2013.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 304 Stainless Steel Wire Mesh window security barrier system, prepared by Fenestration Testing Laboratory, Inc., Report No. 6350, dated January 21, 2011, signed and sealed by Marlin D. Brinson, P.E.*

C. CALCULATIONS

1. *Screen and Anchor calculations dated 09/26/2012, 33 pages, prepared by V. M. Engineering, Inc., signed and sealed by Morgan Villanueva, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *FBC 2010 Edition compliance letter, prepared by V. M. Engineering, Inc., dated 10/12/2012, signed and sealed by Morgan Villanueva, P.E.*

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. SG04-2012, titled "Sure Guard 2004 / Window Security Barrier System", sheets 1 through 10 of 10, prepared by V. M. Engineering, Inc., dated April 22, 2015, signed and sealed by Morgan Villanueva, P.E., on April 22, 2015.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*



Helmy A. Makar, M.S., P.E.
Product Control Unit Supervisor

NOA No. 15-0427.13

Expiration Date: 06/10/2019

Approval Date: 05/28/2015

Phoenix Architectural Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

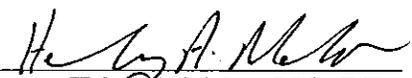
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *FBC 2014 Edition compliance letter, prepared by V. M. Engineering, Inc., dated May 10, 2015, signed and sealed by Morgan Villanueva, P.E.*



Helmy A. Makar, M.S., P.E.
Product Control Unit Supervisor
NOA No. 15-0427.13
Expiration Date: 06/10/2019
Approval Date: 05/28/2015

GENERAL NOTES FOR NOA SCREEN

1. THIS SHUTTER "SURE GUARD 2004" HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1609 OF THE FLORIDA BUILDING CODE EDITION 2014, AS PER TAS 201-94, TAS 202-94 & TAS 203-94 OF THE TEST PROTOCOLS FOR HIGH-VELOCITY HURRICANES ZONES, AND AS PER HTL WITH TEST REPORT No. 0340-0310-04 AND AS PER FTL WITH TEST REPORT No. 6350.

THE DESIGN LOADS COMPLY WITH SECTION 1620 OF THE FLORIDA BUILDING CODE EDITION 2014. THE WIND PRESSURES SHOWN ON SHEET (4 OF 10) IN THIS DOCUMENTS ARE AS PER FBC 2014 EDITION (ALLOWABLE SERVICE DESIGN), TO OBTAIN THE EQUIVALENT ULTIMATE WIND PRESSURES, DIVIDE THE WIND PRESSURES SHOWN IN THE TABLES ON SHEET (4 OF 10) OF THIS DOCUMENT BY 0.6 FACTOR (ULTIMATE FACTOR DESIGN). IN ORDER TO VERIFY THAT ANCHORS ON THIS PRODUCT APPROVAL DOCUMENTS, AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS, AND IN THE LABORATORY THE TEST LOAD WAS 50% MORE OF DESIGN LOAD.

THE "SURE GUARD 2004" IS ADEQUATE FOR IMPACT AND FATIGUE RESISTANCE AS SHOWN IN THE TEST RESULTS FROM LABORATORY. THE "SURE GUARD 2004" MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (H.V.H.Z.)"

2. ALL COMPONENTS SHALL BE AS PER BILL OF MATERIALS AS SHOWN ON SHEET 3.
3. FOR ANCHORS INSTALLATION AND SPACING DETAILS REFER TO SHEETS 5 THROUGH 10.
4. MAX DESIGN PRESSURE (ALLOWABLE):
 - A. FOR BARRIER FRAME SIZE OF 44" X 68" = +73 psf, -134 psf (ALLOWABLE)
 - B. FOR BARRIER FRAME SIZE OF 52 1/4" X 75 3/4" = +107 psf, -107 psf (ALLOWABLE)
5. SELF DRILLING SCREWS SHALL BE ASTM A510-03, ZINC PLATED AS PER ASTM B-633 WITH MIN. TENSILE STRENGTH OF 100 KSI.
6. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS ON SHEETS 3, 5, 6, 7, 8, 9 & 10. ANCHOR EMBEDMENT AND EDGE DISTANCE TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
7. A LABEL SHALL BE PLACED FOR EVERY OPENING BY THE SCREEN SHUTTER MANUFACTURER AND SHALL BE EXPOSED ON THE SURFACE OF THE FRAME LABEL SHALL READ:

PHOENIX
ARCHITECTURAL PRODUCT, INC.
3075 JONQUIL DRIVE SE, SMYRNA, GA 30080
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED

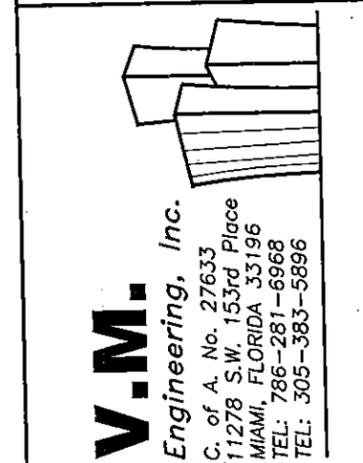
8. CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS OF THE OPENINGS WHERE SCREEN SHUTTER WILL BE INSTALLED TO INSURE ADEQUATE SUBSTRATE.
9. THE INSTALLATION OF THIS "SURE GUARD 2004" HIGH VELOCITY SHUTTER SYSTEM SHALL COMPLY WITH THE SPECIFICATIONS INDICATED IN THIS DRAWINGS PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
10. THIS PRODUCT APPROVAL DOCUMENTS WILL BE VALID ONLY WHEN IT MEETS THE FOLLOWING TERMS:
 - A. PLANS SHALL BE SIGNED AND SEALED BY THE ENGINEER OF RECORD.
 - B. NO MODIFICATIONS AND/OR ALTERATIONS MAY BE MADE BY ANY MEANS.
11. THIS PRODUCT APPROVAL DOCUMENTS WAS NOT PREPARED FOR A SPECIFIC SITE.
12. SCREEN SHUTTER DETAILS:

- A. FRAME SHALL BE EXTRUDED ALUMINUM, CORNERS ARE MITERED, BUTTED AND WELDED INCLUDING MID HEIGHT SASH CONNECTION TO JAMBS WELDING AS PER AMERICAN WELDING SOCIETY D1.2 LATEST EDITION.
- B. EACH PANEL IS MADE UP OF AN EXTRUDED 6063-T6 ALUM. FRAME MITER AND JOINED AT THE CORNERS WITH ALUMINUM PLATE SP-7 (COMPONENT 17) AS SHOWN ON SHEET 2
- C. THE SCREEN MATERIAL IS HIGH-TENSILE 304 STAINLESS STEEL WITH TENSILE STRENGTH BEFORE WEAVING OF 95.3 KSI AND 39% ELONGATION, PER ASTM A 2016.
- D. FOR FASTENING OF SCREEN REFER TO NOTE 1 & 2 OF SHEET 3, MINIMUM EDGE DISTANCE PER FASTENING SCREW/EDGE OF SCREEN IS 1/2" FROM CENTER OF HOLES.
- E. THE OPERABLE PANELS ARE SECURED WITH A CONTINUOUS LATCH PAPI-8 (COMPONENT 11).

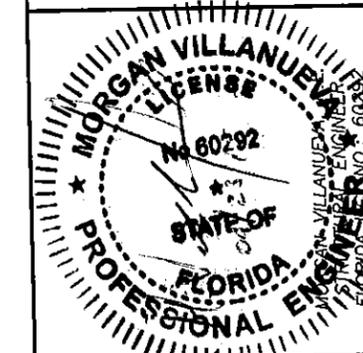


PHOENIX
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM



V.M.
Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896

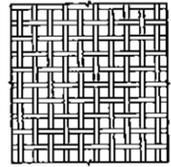


REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0427.13
Expiration Date 06/10/2019
By [Signature]
Miami Dade Product Control

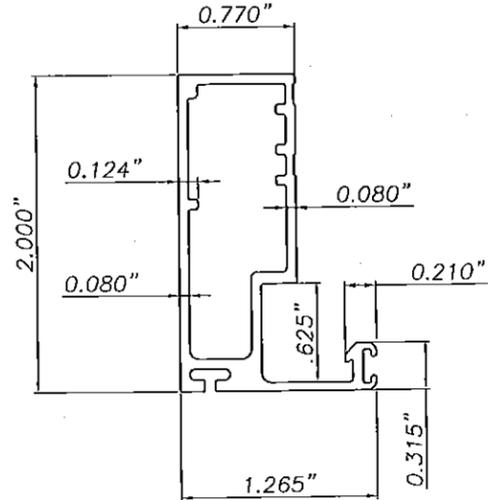
SCALE: AS SHOWN
DATE: 04-22-15
F.B.C.
(High Velocity Hurricane Zone)
DWG No: **SG04-2012**
SHEET 1 OF 10

MIAMI-DADE COUNTY

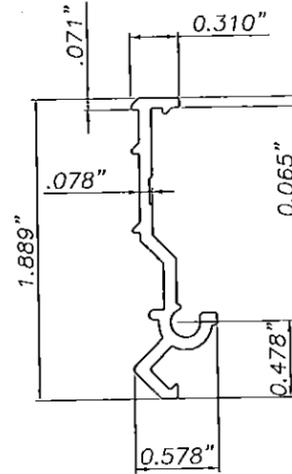


Wire Diameter = 0.028"
Mesh Count = 12X12 per In²

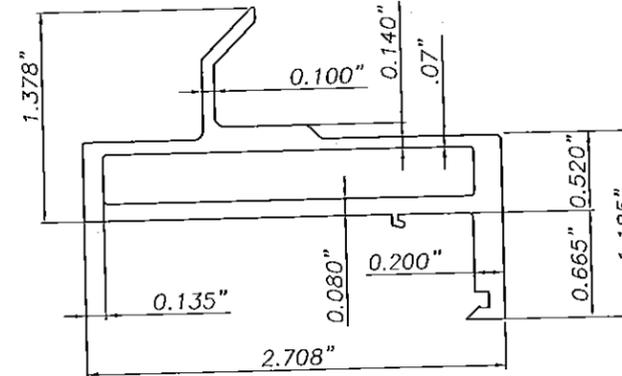
1 Stainless Steel Wire-Mesh



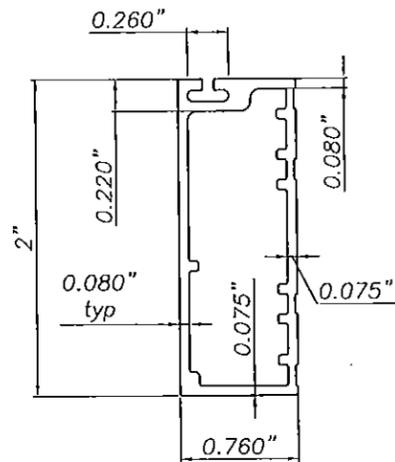
2 PAPI-2



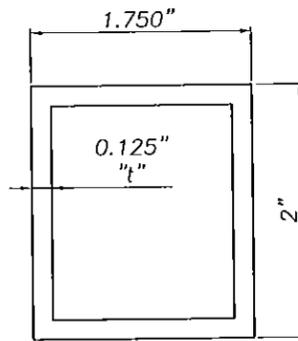
4 PAPI-9



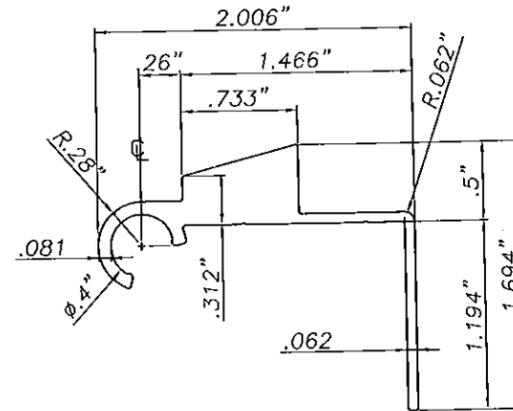
6 PAPI-10



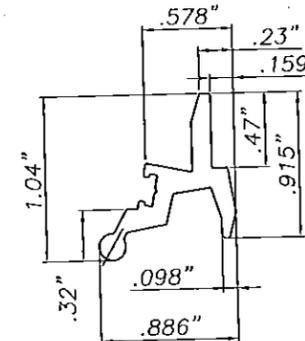
7 PAPI-6



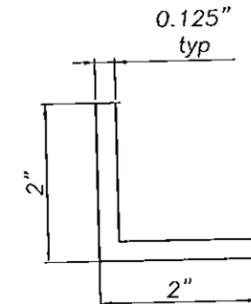
8 EXT. ALUM. TUBE



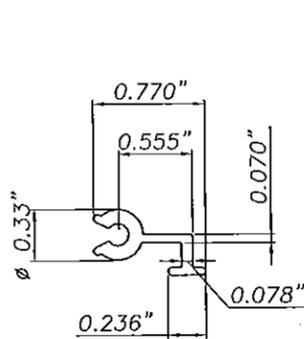
10 PAPI-4



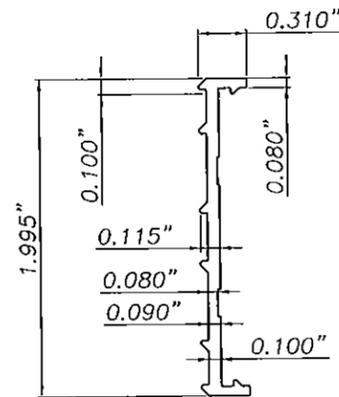
11 PAPI-8 NO EXPOSED SURFACES



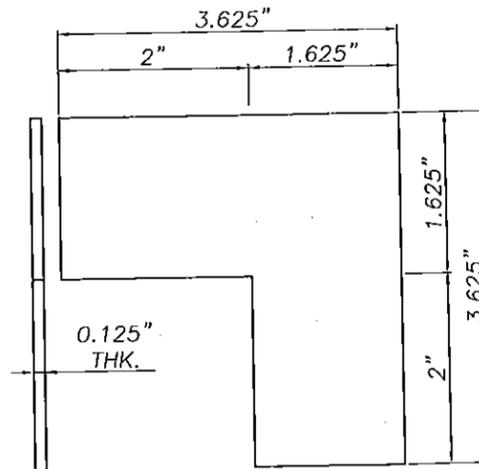
13 L BAR



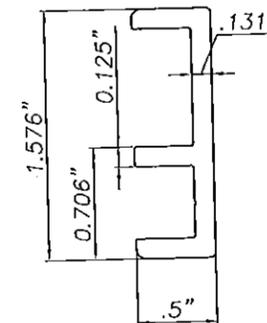
15 PAPI-3



16 PAPI-7



17 SP-7

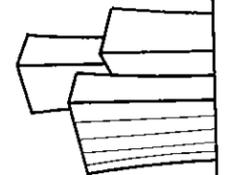


18 PAPI-5



HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL: 770.803.6380 FAX: 770.803.6388
www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM



V.M. Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 15-0427.13
Expiration Date 06/10/2019
By *Heidi A. Miller*
Miami Dade Product Control

MIAMI-DADE COUNTY

REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

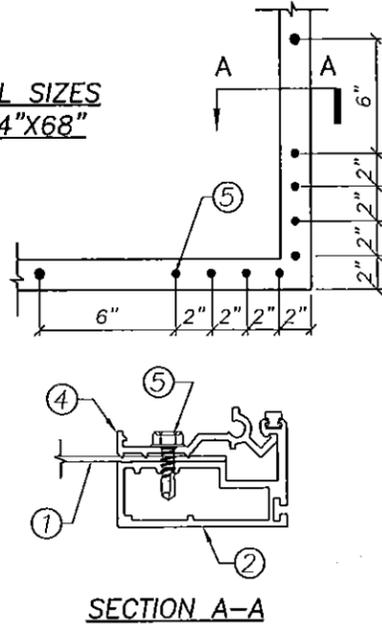
SCALE: AS SHOWN
DATE: 04-22-15

F.B.C.
(High Velocity Hurricane Zone)

DWG No: SG04-2012
SHEET 2 OF 10

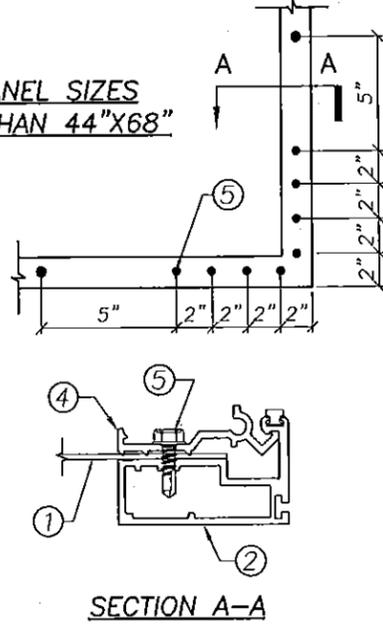
METAL TO METAL SCREWS NOTES

FOR PANEL SIZES
UP TO 44"X68"



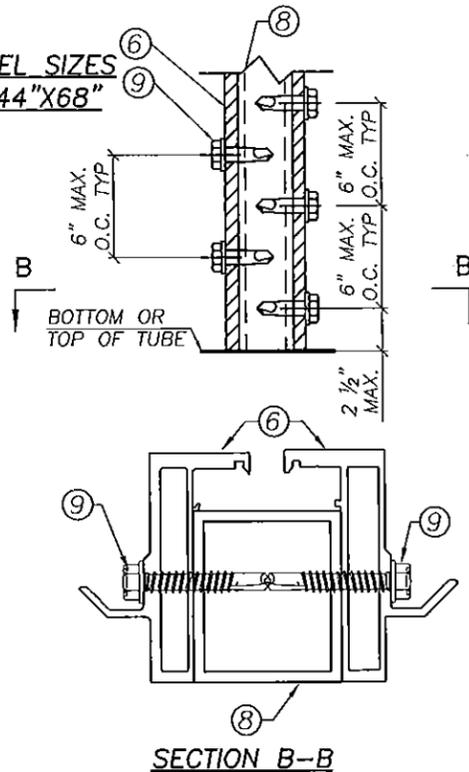
NOTE 1:
FOUR SCREWS IN EACH CORNER LEG 2" MAX. FROM EA. END AND SPACED 2" MAX. O.C., THEN CONTINUOUS 6" MAX. O.C.

FOR PANEL SIZES
LARGER THAN 44"X68"



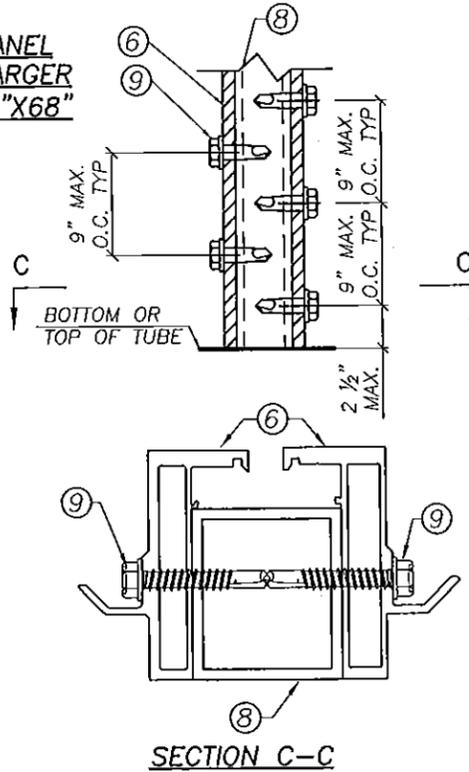
NOTE 2:
FOUR SCREWS IN EACH CORNER LEG 2" MAX. FROM EA. END AND SPACED 2" MAX. O.C., THEN CONTINUOUS 5" MAX. O.C.

FOR PANEL SIZES
UP TO 44"X68"



NOTE 3
SCREWS 6" MAX O.C. STAGGERED.
SPACED 2 1/2" MAX. FROM TOP OR BOTTOM.

FOR PANEL
SIZES LARGER
THAN 44"X68"



NOTE 4
SCREWS 9" MAX. O.C. STAGGERED.
SPACED 2 1/2" MAX. FROM TOP OR BOTTOM.

BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL MANUFACTURER
①	Stainless Steel Wire Mesh	AISI 304 Series S.S.
②	Sash Frame PAPI-2	Alum. 6063-T6
③	Weather-strip (Hope Webbing)	Wool Pyle
④	Retainer PAPI-9	Alum. 6063-T6
⑤	#10 x 3/4" S.D.S. Hex Head Screw	ASTM A-510
⑥	Exterior Frame PAPI-10	Alum. 6063-T6
⑦	Exterior Sash PAPI-6	Alum. 6063-T6
⑧	1 3/4" x 2" x 1/8" Aluminum Tube	Alum. 6063-T6
⑨	#14 x 1 1/2" Self Drilling Screw	ASTM A-510
⑩	Female Hinge PAPI-4	Alum. 6063-T6
⑪	Latch Mechanism PAPI-8	Alum. 6063-T6
⑫	#10x 1/2" S.D.S. Hex Head Screw	ASTM A-510
⑬	2" x 2" x 1/8" Alum. Angle	Alum. 6063-T6
⑭	1/4"φ Tapcon Anchor with 1 1/4" min. embedment into hollow concrete block & 1 3/4" min. embedment into poured concrete or concrete hollow block with field cells.	ITW BUILD EX
⑮	Male Hinge PAPI-3	Alum. 6063-T6
⑯	Interior Sash PAPI-7	Alum. 6063-T6
⑰	Corner Support SP-7	Alum. 3003-H14
⑱	Reinforcement PAPI-5	Alum. 6063-T6
⑲	#10x1" S.D.S. Hex Head Screw	ASTM A-510 ITW BUILD EX
⑳	#10x 1/2" S.D.S. Hex Head Screw	ASTM A-510 ITW BUILD EX

PICOEAM
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM

V.M.
Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896

MORGAN VILLANUEVA
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 50282
Exp. 12/31/2019

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0427.13
Expiration Date 06/10/2019
By *H. A. Miller*
Miami Dade Product Control

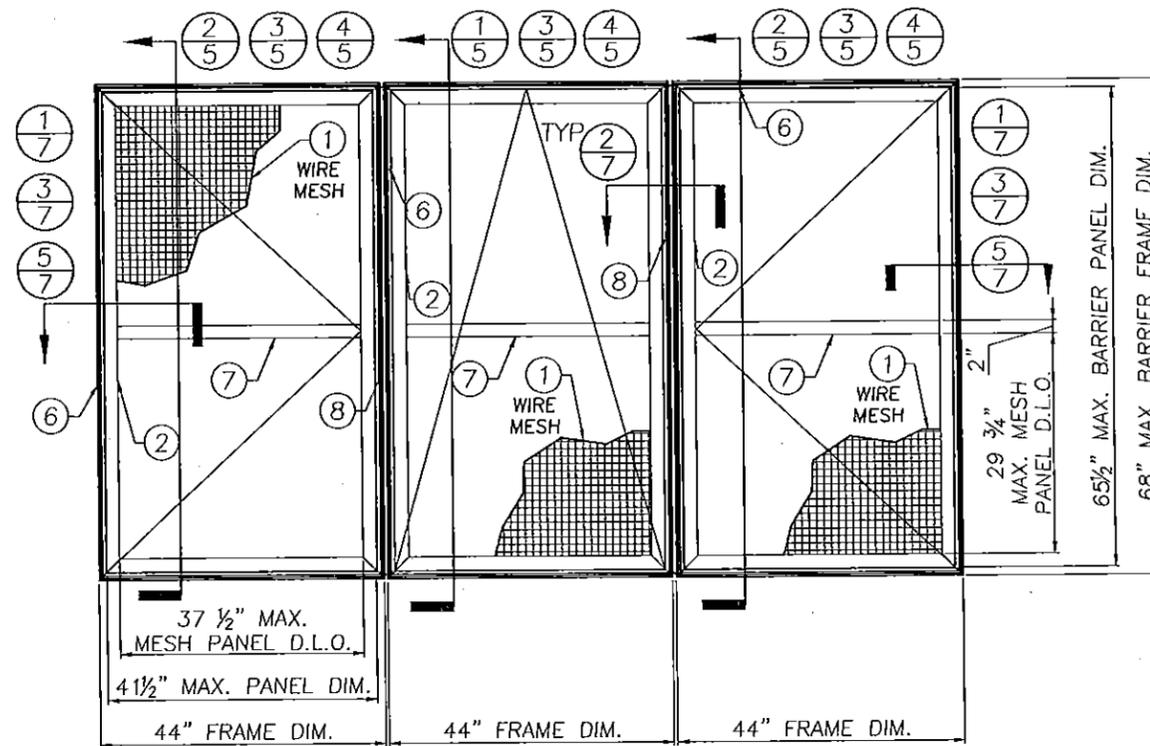
MIAMI-DADE COUNTY

REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

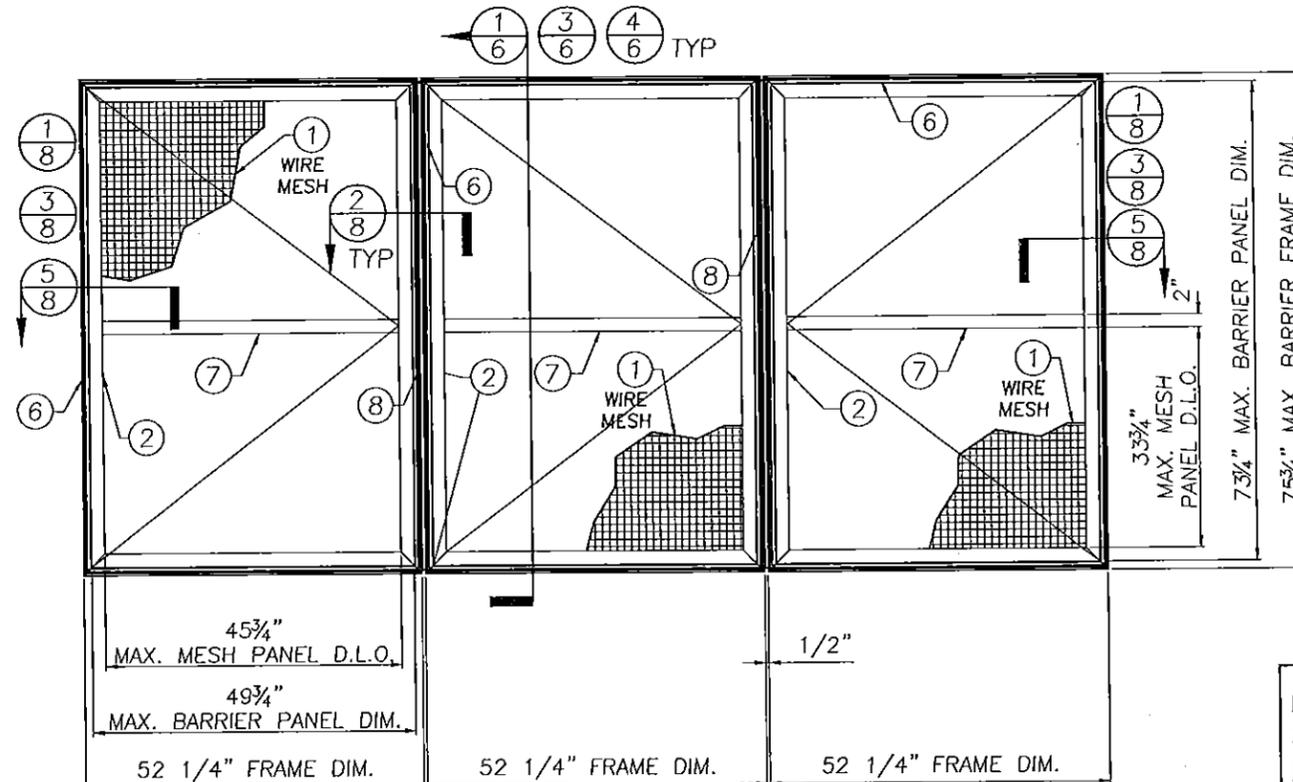
SCALE: AS SHOWN
DATE: 04-22-15

F.B.C.
(High Velocity Hurricane Zone)

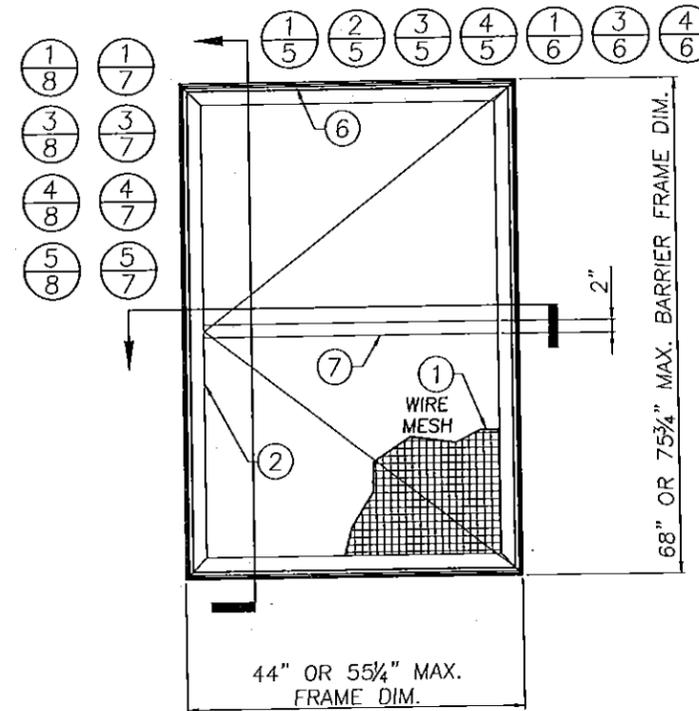
DWG No: **SG04-2012**
SHEET 3 OF 10



MULTIPLE PANEL ELEVATION (44"x68" MAX. BARRIER FRAME)



MULTIPLE PANEL ELEVATION (52 1/4"x75 3/4" MAX. BARRIER FRAME)



SINGLE PANEL ELEVATION
(44"x68" MAX. BARRIER FRAME
W/ TOP OR SIDE HINGE)
(52 1/4"x75 3/4" MAX. BARRIER
FRAME SIDE HINGE ONLY)

DESIGN PRESSURE RATING:
 FOR 44"x68" MAX. BARRIER FRAME
 POSITIVE 73 psf NEGATIVE 134 psf (ALLOWABLE)
 FOR 52 1/4"x75 3/4" MAX. BARRIER FRAME
 POSITIVE 107 psf NEGATIVE 107 psf (ALLOWABLE)
 TESTED AS PER TAS 201-94, 202-94, 203-94
 STAINLESS STEEL WIRE MESH AISI 304 SERIES S.S.

SIDE HINGE MEANS THE LATCH
MECHANISM MUST BE AT LARGER
SIDE OF THE FRAME

NOTE: BARRIER MAY BE USED AS
SINGLE OR UNLIMITED NUMBER OF
HORIZONTAL OR VERTICAL PANELS.

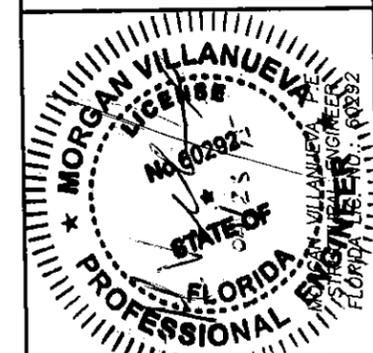
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0427.13
Expiration Date 06/10/2019
By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY

PHOENIX
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM

V.M. Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896

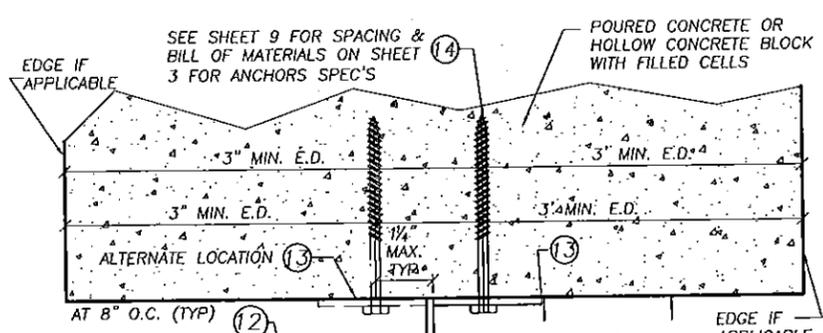


REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

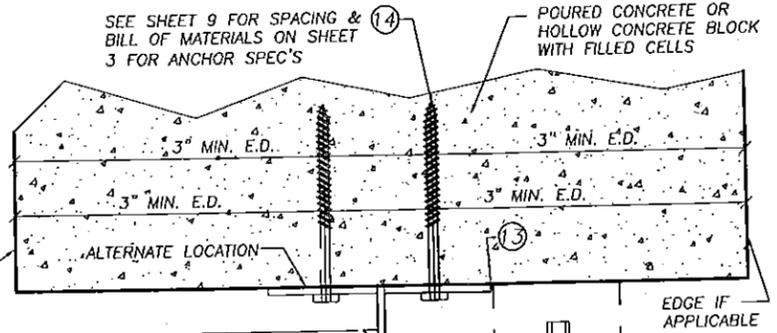
SCALE: AS SHOWN
DATE: 04-22-15

F.B.C.
(High Velocity Hurricane Zone)

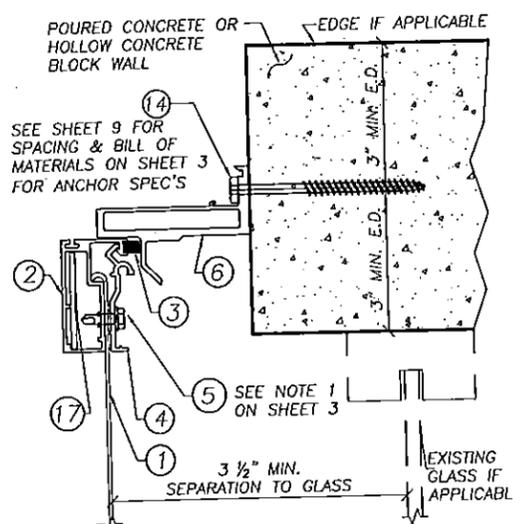
DWG No: SG04-2012
SHEET 4 OF 10



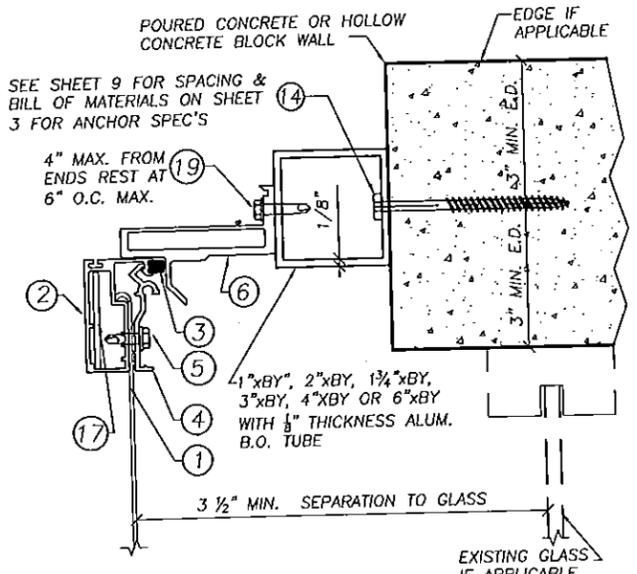
1 VERTICAL CROSS SECTION
Top Hinge



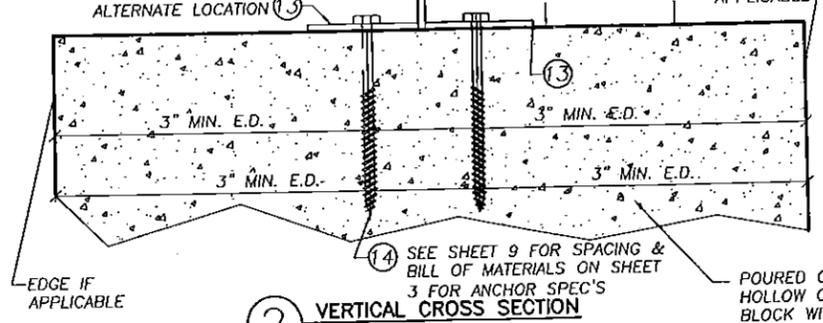
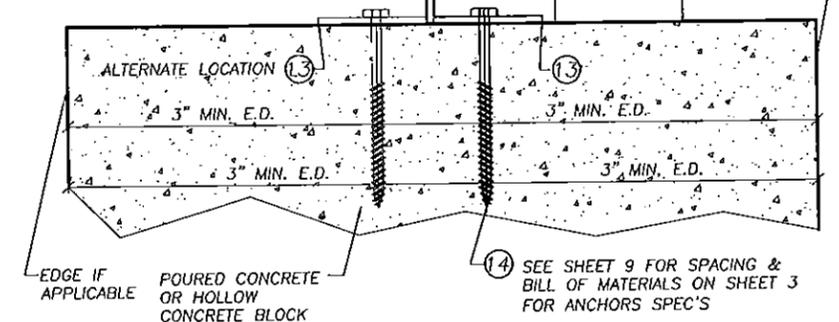
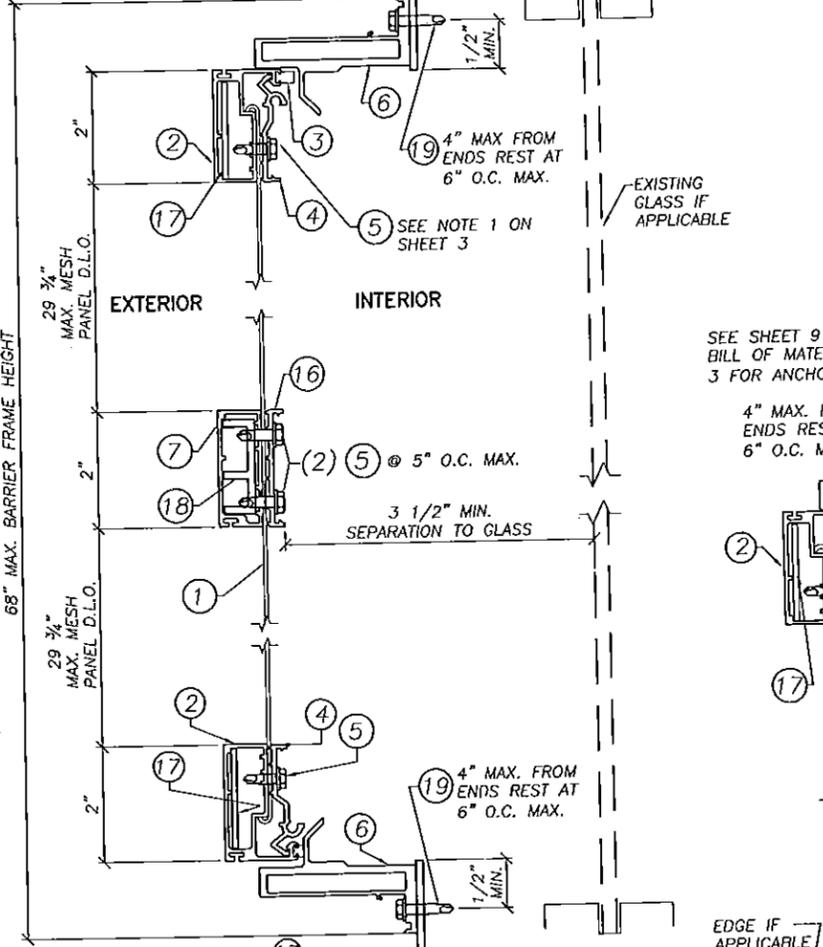
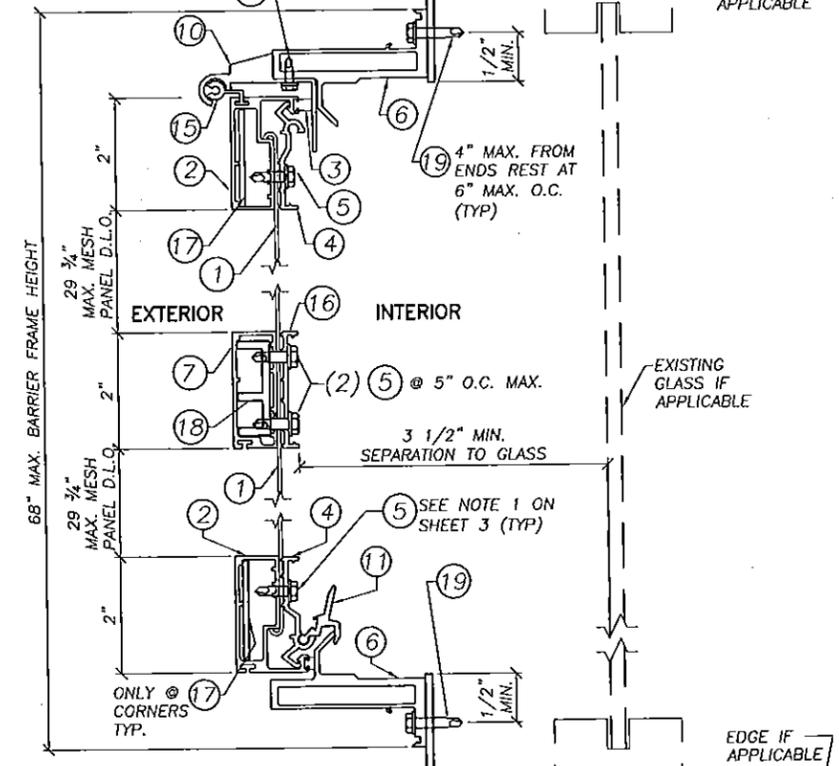
2 VERTICAL CROSS SECTION
Side Hinge



3 VERTICAL CROSS SECTION
Optional Surface Mount Method
Side/Top Hinge



4 VERTICAL CROSS SECTION
Optional Buildout Mount Method
Side/Top Hinge



FOR PANEL SIZES UP TO 44"x68"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0427.13
Expiration Date 06/10/2019
By *Heather A. Miller*
Miami Dade Product Control

MIAMI-DADE COUNTY

PHOENIX
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

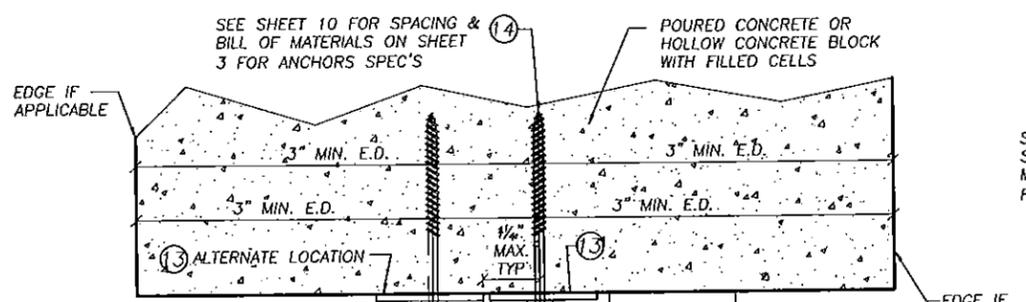
PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM

V.M. Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896

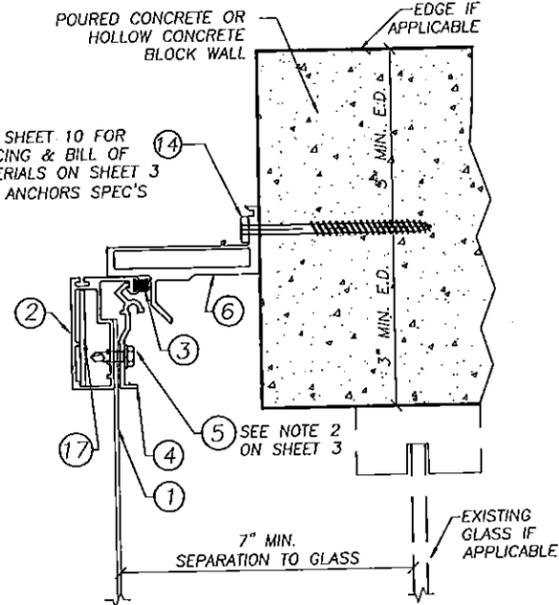
MORGAN VILLANUEVA
Lic. No. 1560212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

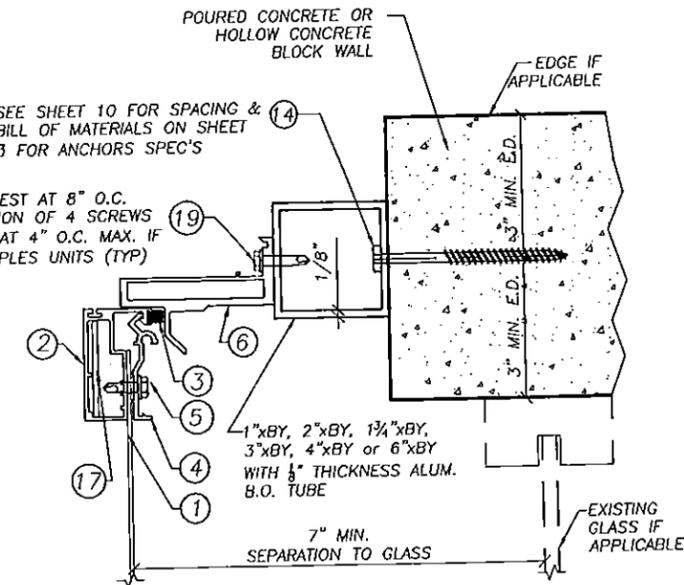
SCALE: AS SHOWN
DATE: 04-22-15
F.B.C.
(High Velocity Hurricane Zone)
DWG No: **SG04-2012**
SHEET 5 OF 10



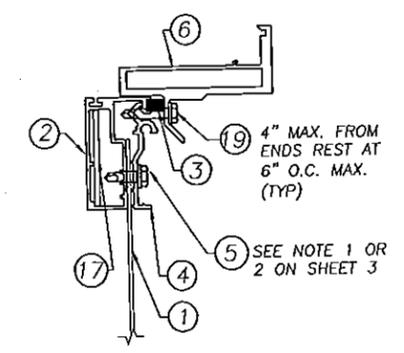
1 VERTICAL CROSS SECTION Side Hinge



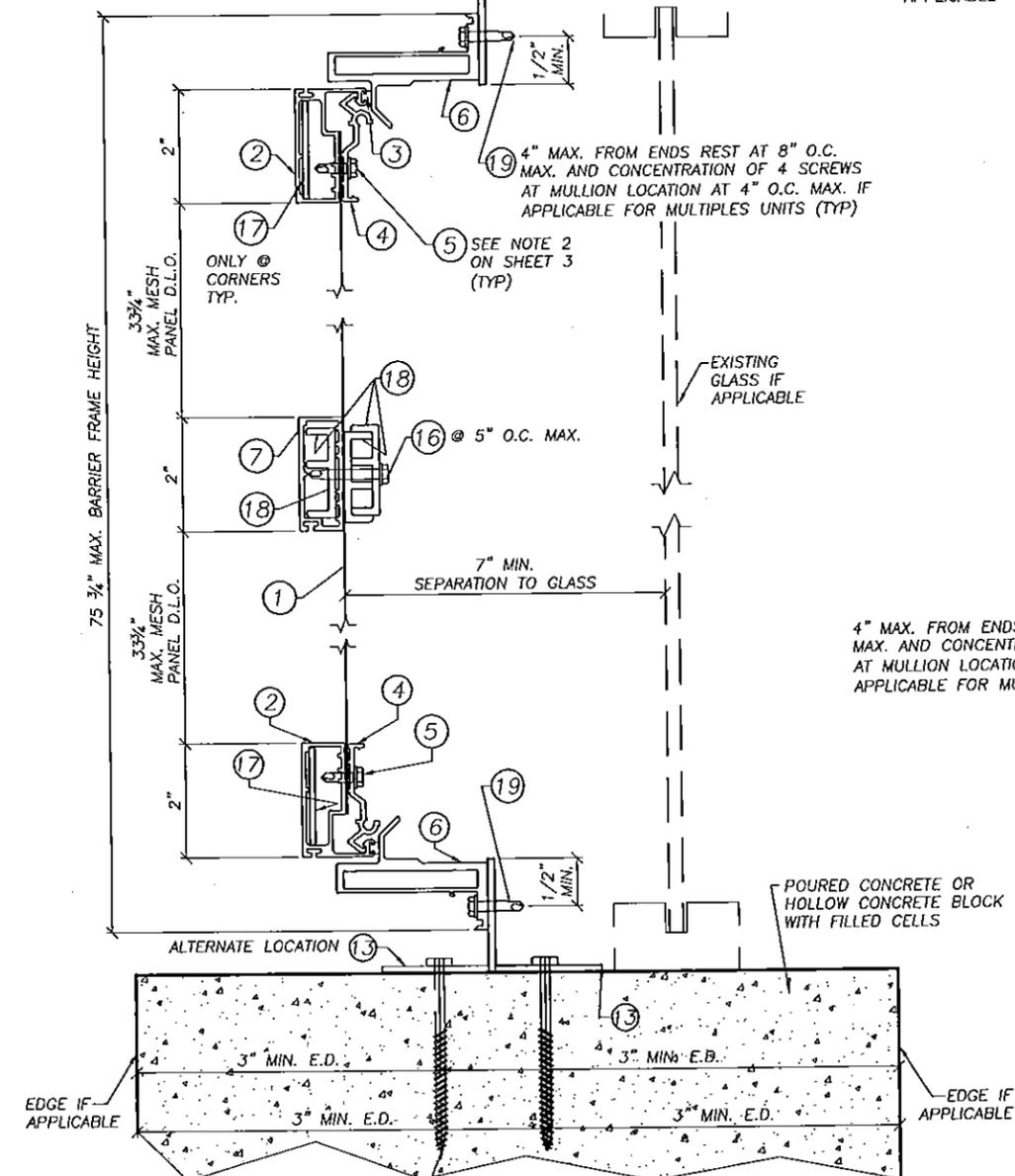
3 VERTICAL CROSS SECTION Optional Surface Mount Method Side Hinge Only



4 VERTICAL CROSS SECTION Optional Buildout Mount Method Side Hinge Only



7 VERTICAL/HORIZONTAL CROSS SECTION FOR FIX PANEL Optional Surface Mount Method Side/Top Hinge



1 VERTICAL CROSS SECTION Side Hinge

FOR PANEL SIZES LARGER THAN 44"X68"

PHOENIX
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM

V.M.
Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896

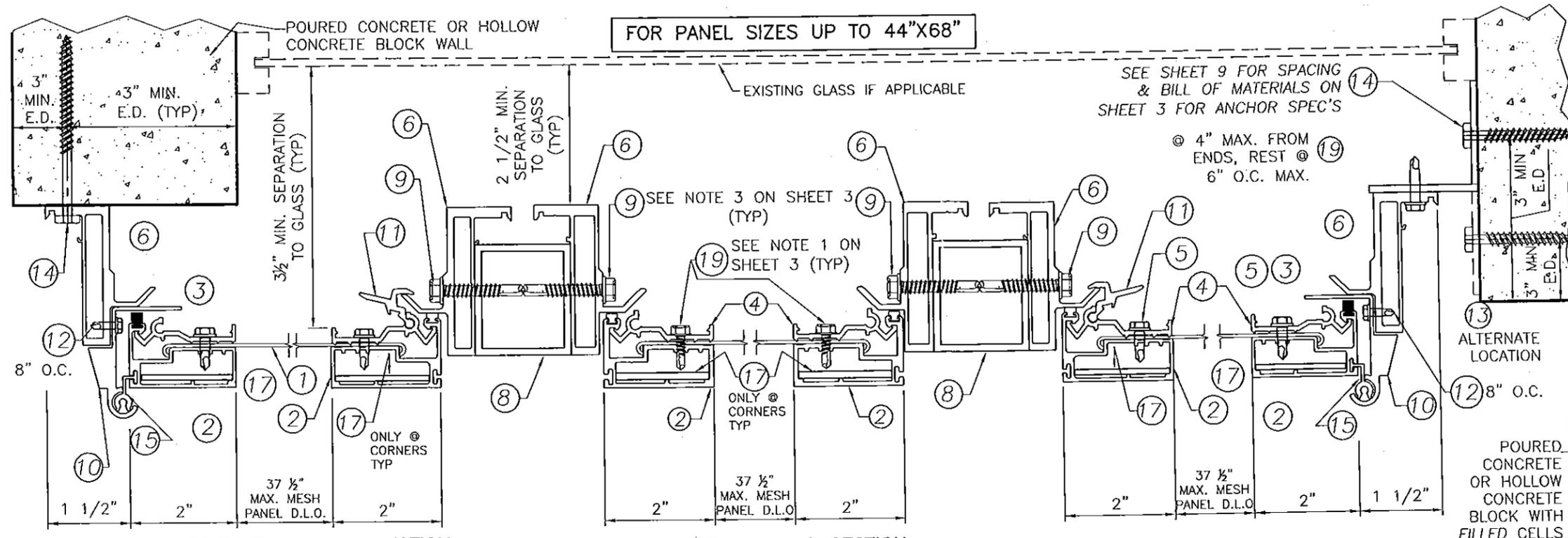


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0427.13
Expiration Date 06/10/2019
By *[Signature]*
Miami Dade Product Control

REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

SCALE: AS SHOWN
DATE: 04-22-15
F.B.C.
(High Velocity Hurricane Zone)
DWG No: SG04-2012
SHEET 6 OF 10

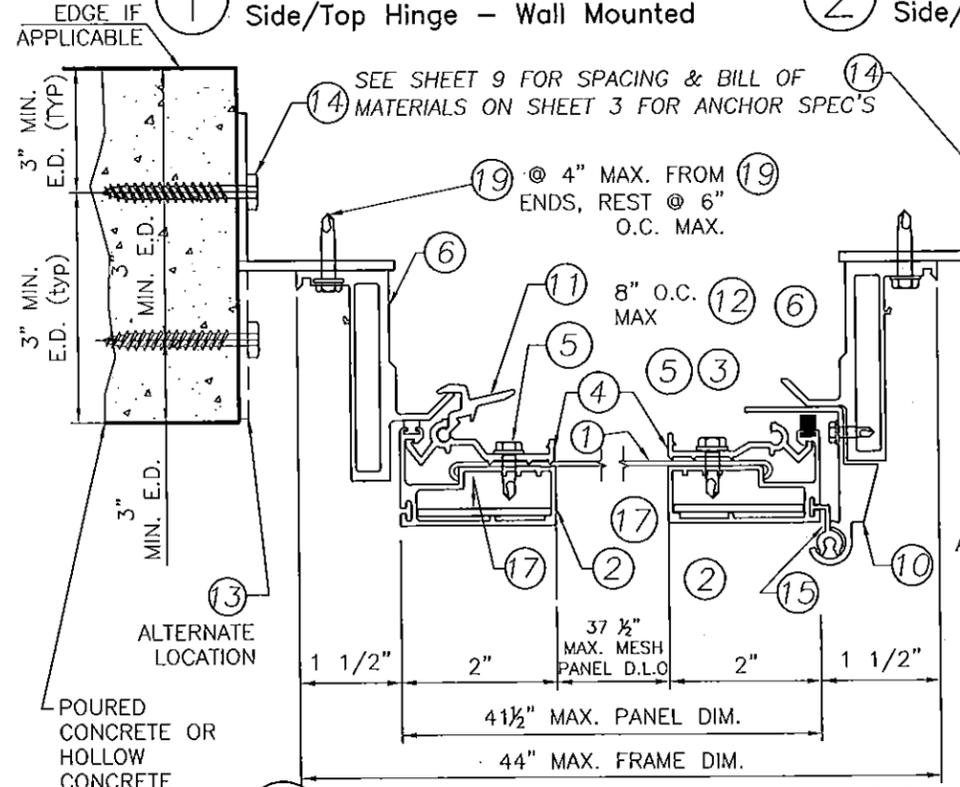
MIAMI-DADE COUNTY



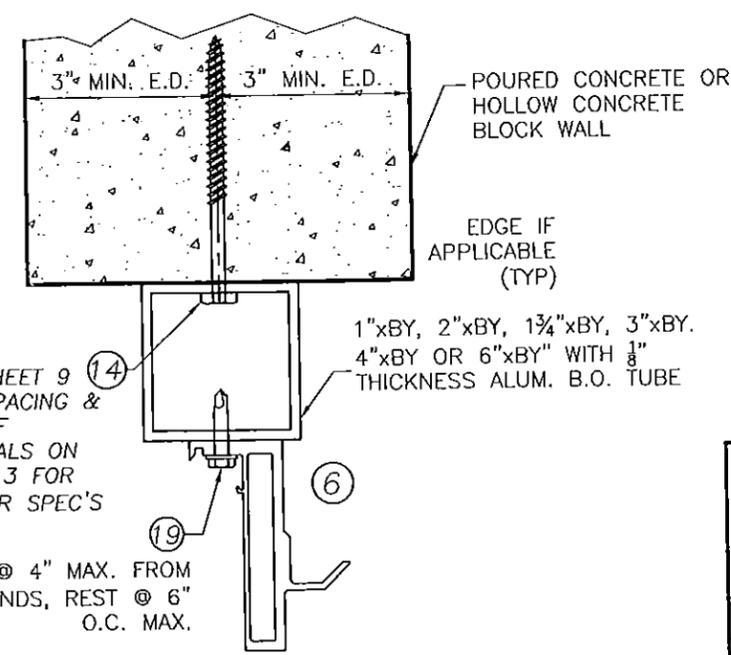
1 HORIZONTAL CROSS SECTION
Multiple/Single Panels
Side/Top Hinge - Wall Mounted

2 HORIZONTAL CROSS SECTION
Multiple/Single Panels
Side/Top Hinge - Intermediate Barrier

3 HORIZONTAL CROSS SECTION
Multiple/Single Panels
Side/Top Hinge - Trapped Barrier



4 HORIZONTAL CROSS SECTION - SINGLE PANEL
Side/Top Hinge - Trapped Barrier

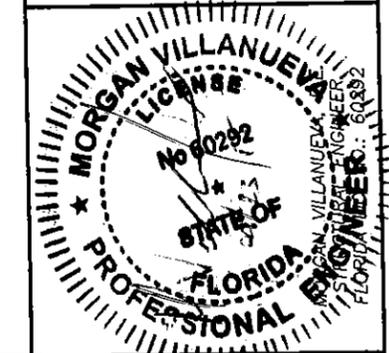


5 HORIZONTAL CROSS SECTION
Optional Buildout Mount Method
Side/Top Hinge

PHOENIX
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM

V.M. Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0427.13
Expiration Date 06/10/2019
By *H. A. [Signature]*
Miami Dade Product Control

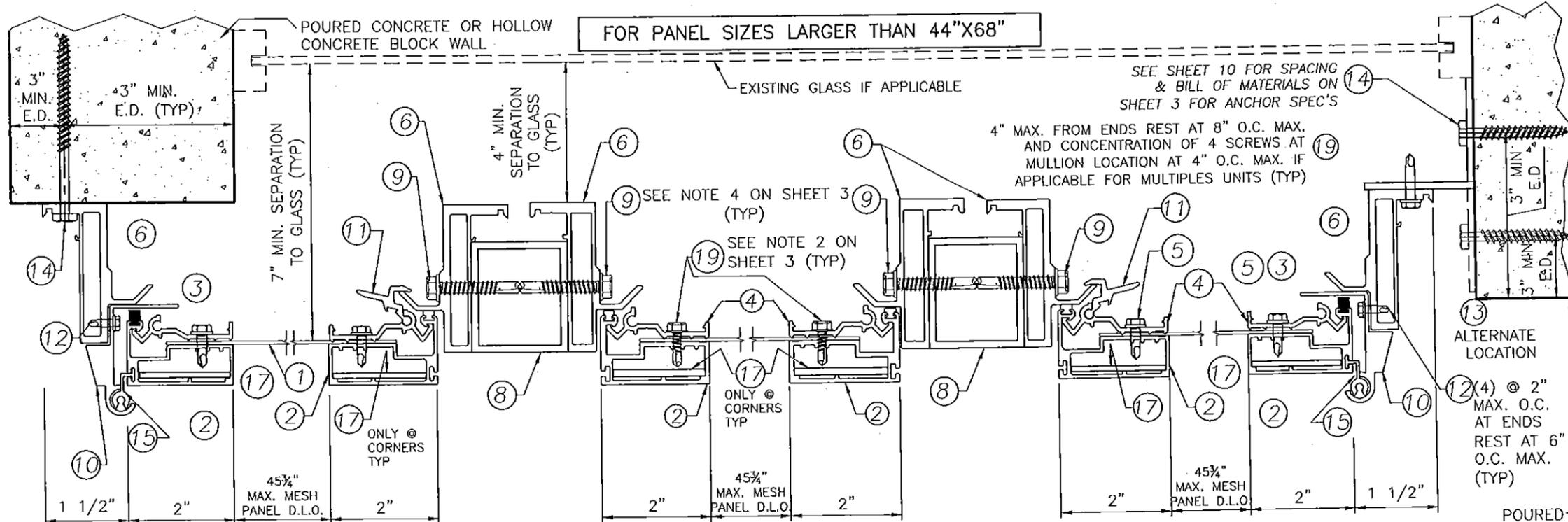
MIAMI-DADE COUNTY

REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3		

SCALE: AS SHOWN
DATE: 04-22-15

F.B.C.
(High Velocity Hurricane Zone)

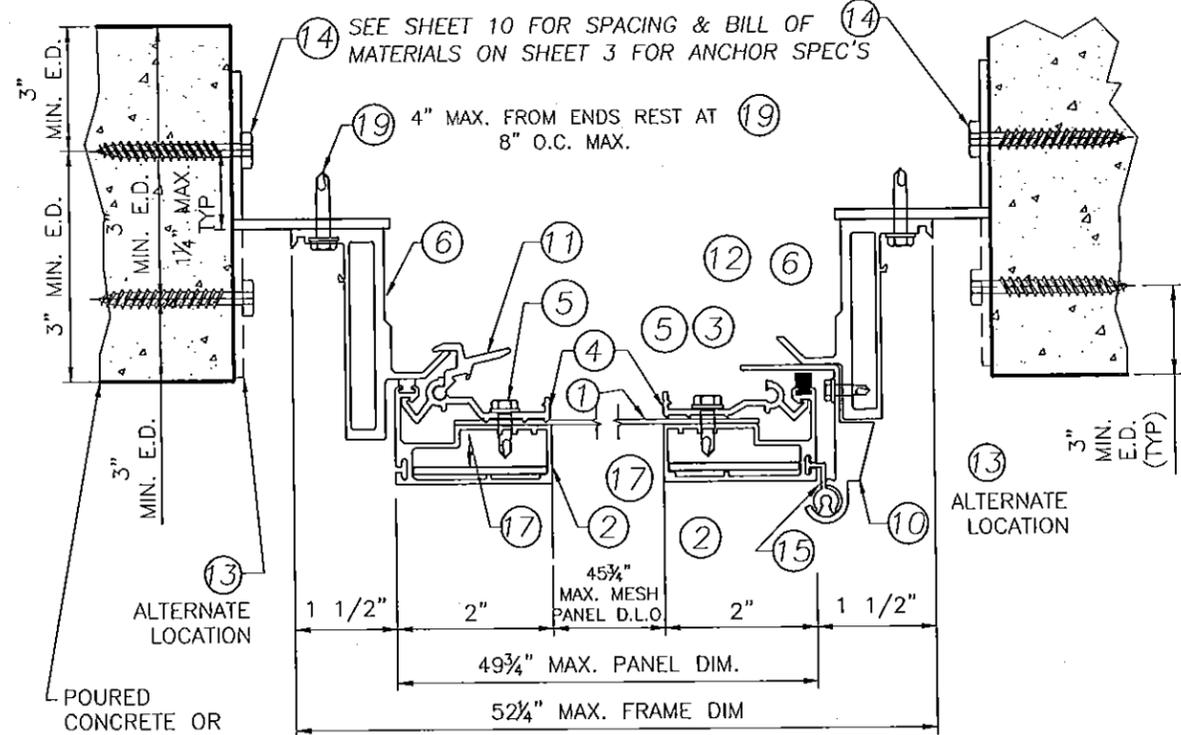
DWG No: SG04-2012
SHEET 7 OF 10



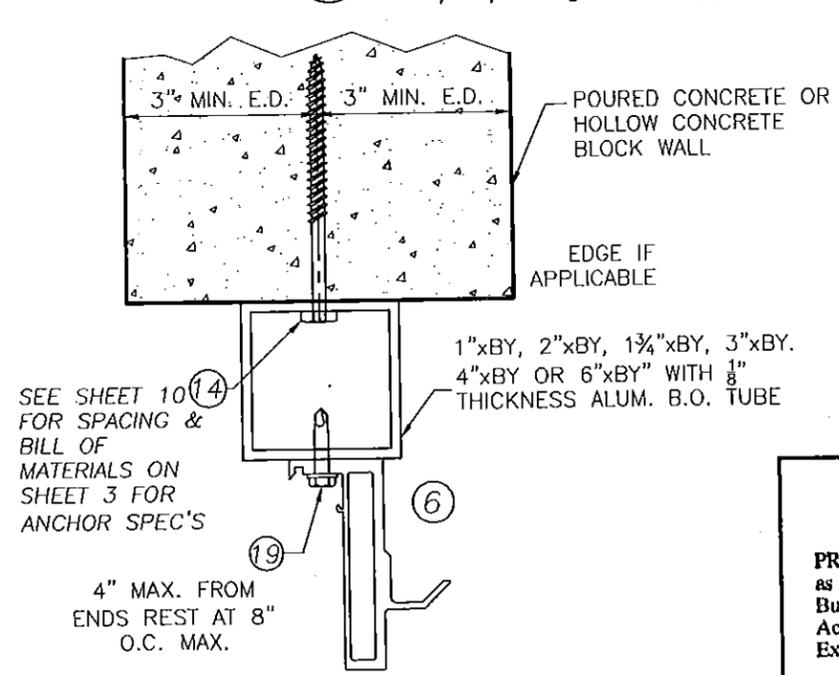
1 HORIZONTAL CROSS SECTION
MULTIPLE/SINGLE PANELS
Side/Top Hinge - Wall Mounted

2 HORIZONTAL CROSS SECTION
MULTIPLE/SINGLE PANELS
Side/Top Hinge - Intermediate Barrier

3 HORIZONTAL CROSS SECTION
MULTIPLE/SINGLE PANELS
Side/Top Hinge - Trapped Barrier



4 HORIZONTAL CROSS SECTION - SINGLE PANEL
Side/Top Hinge - Trapped Barrier



5 HORIZONTAL CROSS SECTION
Optional Buildout Mount Method
Side/Top Hinge

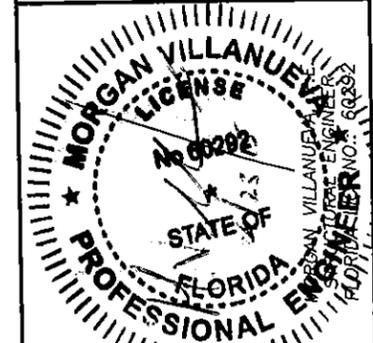
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0427.13
Expiration Date 06/10/2019
By *Heidi A. Nish*
Miami Dade Product Control

MIAMI-DADE COUNTY

PHOENIX
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM

V.M.
Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-583-5896

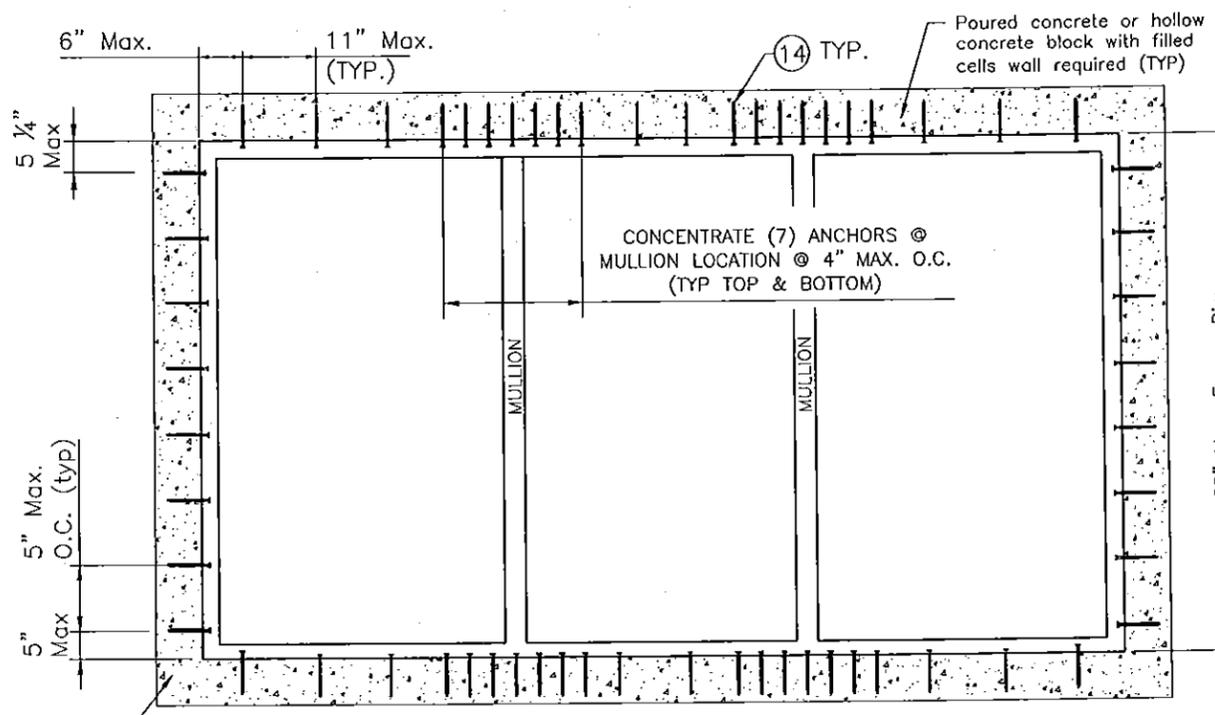


REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

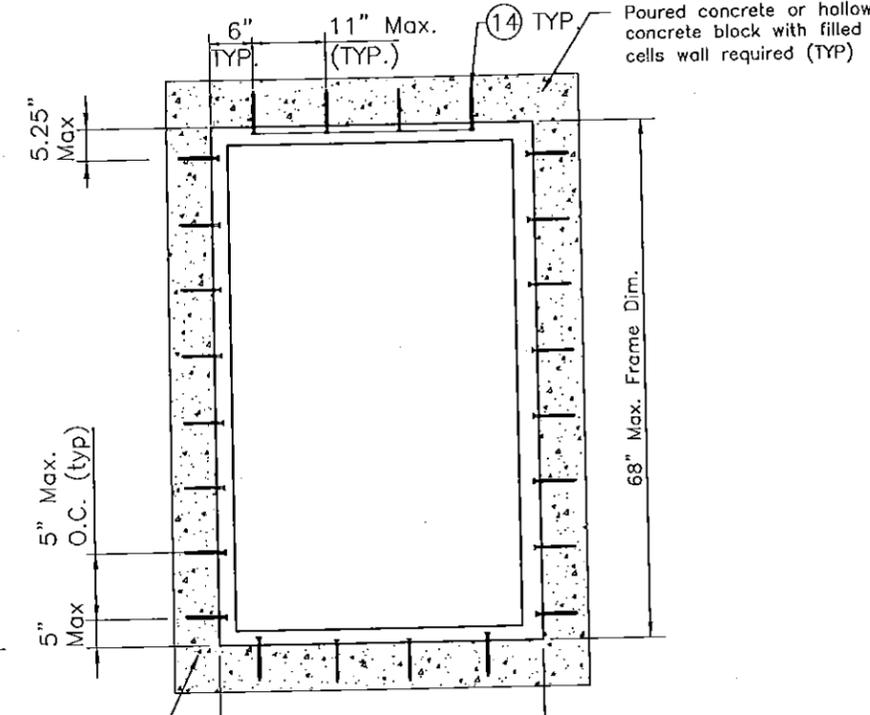
SCALE: AS SHOWN
DATE: 04-22-15

F.B.C.
(High Velocity Hurricane Zone)

DWG No: **SG04-2012**
SHEET 8 OF 10

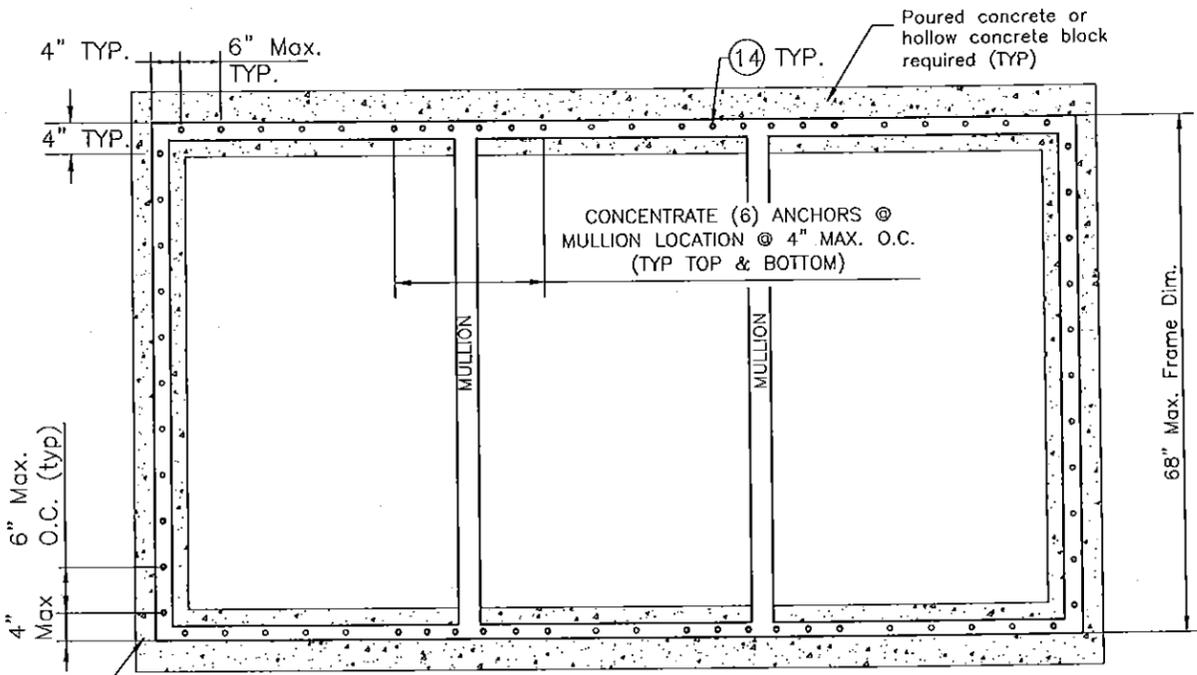


MULTIPLE PANELS (UNLIMITED)

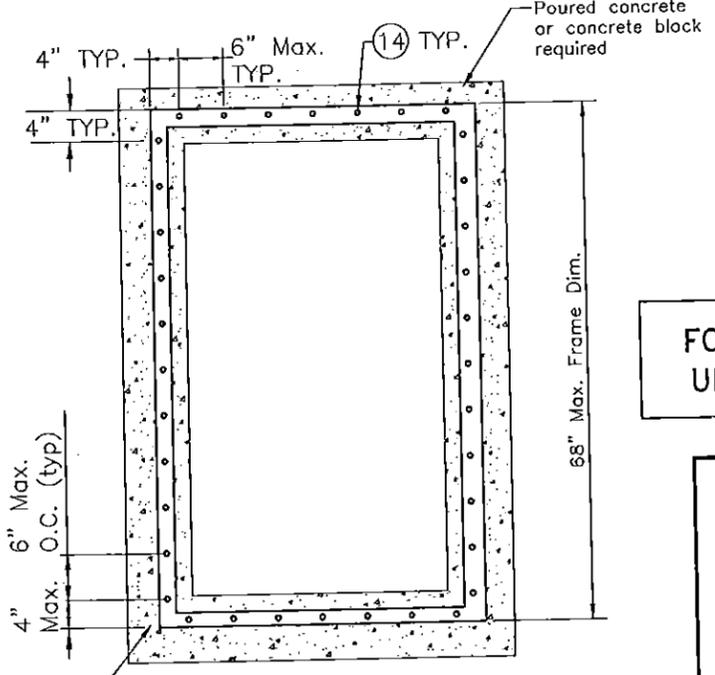


SINGLE PANEL

ANCHORAGE FOR INSIDE MOUNTINGS



MULTIPLE PANELS (UNLIMITED)



SINGLE PANEL

ANCHORAGE FOR SURFACE MOUNTINGS

FOR FRAME SIZE UP TO 44"X68"

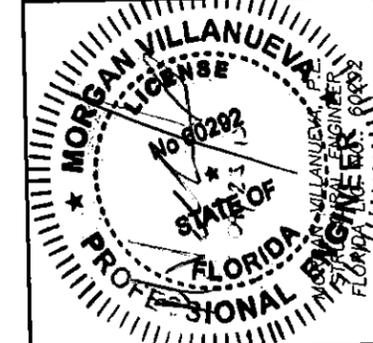
PRODUCT REVISED as complying with the Florida Building Code Acceptance No 15-0427.13 Expiration Date 06/10/2019 By *Heidi A. Miller* Miami Dade Product Control

MIAMI-DADE COUNTY

PHOENIX
ARCHITECTURAL PRODUCTS, INC.
HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
3075 JONQUIL Drive, S.E., Smyrna, GA 30080
TEL 770.803.6380 FAX 770.803.6388
www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
WINDOW SECURITY BARRIER SYSTEM

V.M. Engineering, Inc.
C. of A. No. 27633
11278 S.W. 153rd Place
MIAMI, FLORIDA 33196
TEL: 786-281-6968
TEL: 305-383-5896

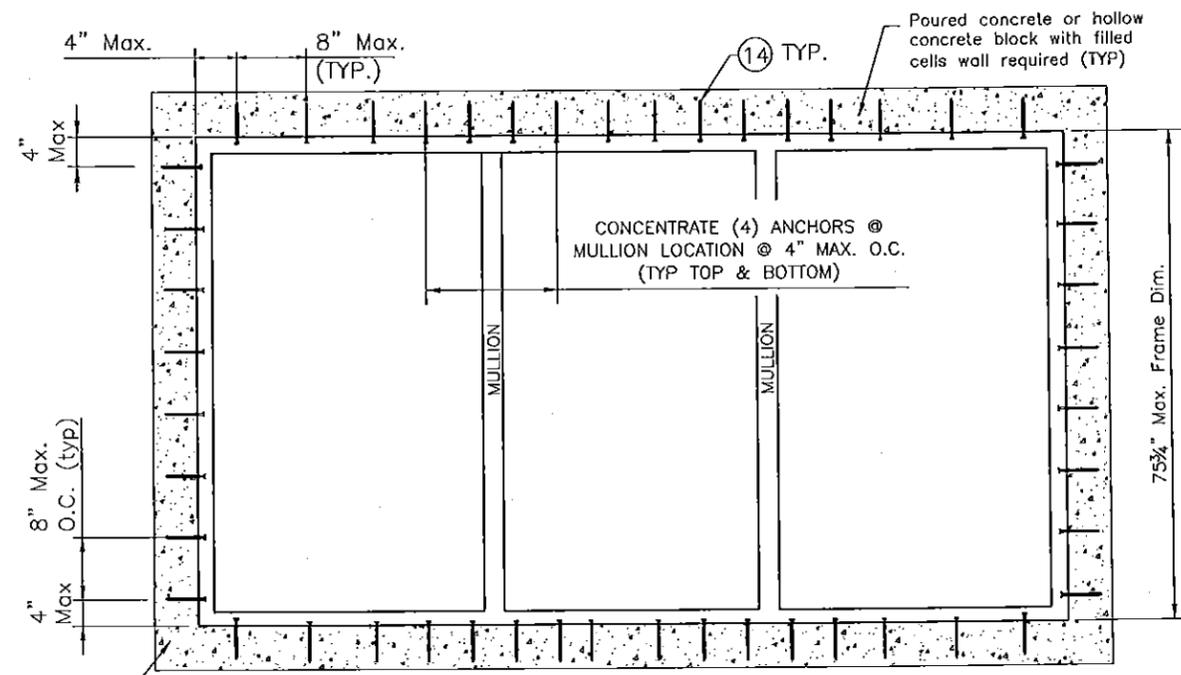


REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

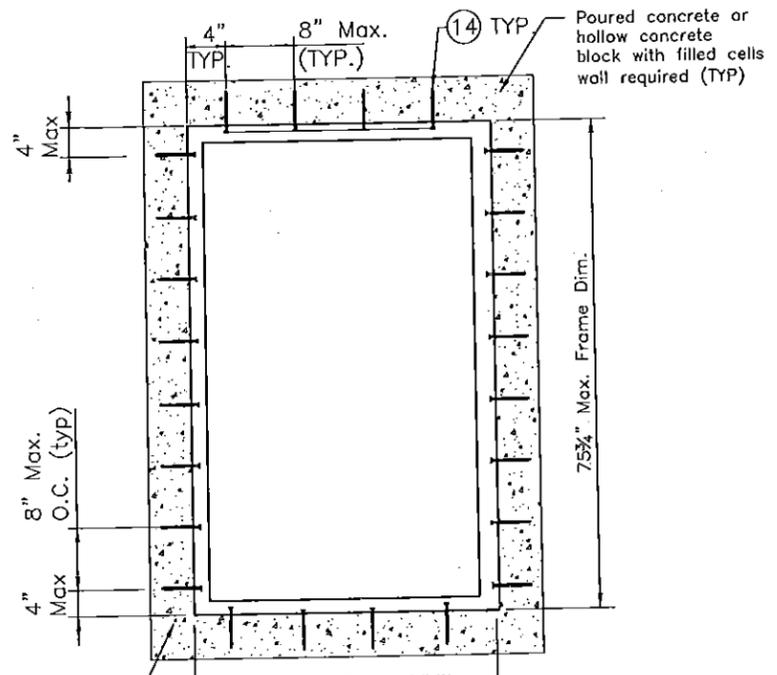
SCALE: AS SHOWN
DATE: 04-22-15

F.B.C.
(High Velocity Hurricane Zone)

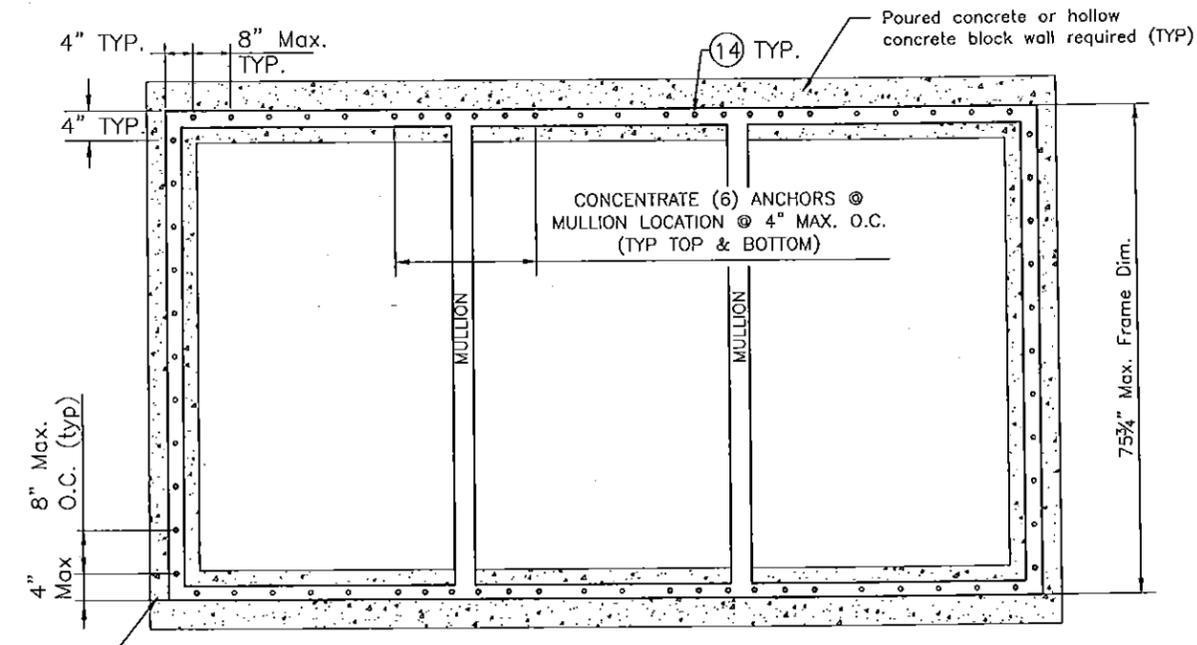
DWG No: SG04-2012
SHEET 9 OF 10



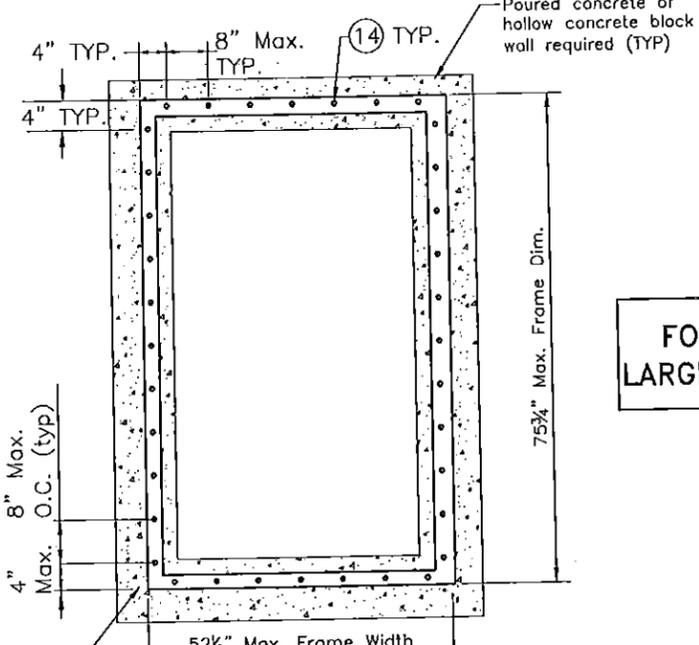
MULTIPLE PANELS (UNLIMITED)
ANCHORAGE FOR INSIDE MOUNTINGS



SINGLE PANEL



MULTIPLE PANELS (UNLIMITED)
ANCHORAGE FOR SURFACE MOUNTINGS



SINGLE PANEL

FOR FRAME SIZES
 LARGER THAN 44"X68"

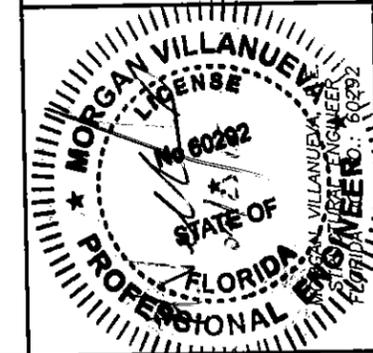
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 15-0427.13
 Expiration Date 06/10/2019
 By *[Signature]*
 Miami Dade Product Control

MIAMI-DADE COUNTY

PHOENIX
 ARCHITECTURAL PRODUCTS, INC.
 HURRICANE BARRIERS, ALUMINUM WINDOWS & DOORS
 3075 JONQUIL Drive, S.E., Smyrna, GA 30080
 TEL 770.803.6380 FAX 770.803.6388
 www.phoenixwindows.com

PRODUCT:
SURE GUARD 2004
 WINDOW SECURITY BARRIER SYSTEM

V.M.
 Engineering, Inc.
 C. of A. No. 27633
 11278 S.W. 153rd Place
 MIAMI, FLORIDA 33196
 TEL: 786-281-6968
 TEL: 305-383-5896



REV. No	DESCRIPTION	DATE
1	52.25"x75.75" NEW FRAME SIZE	10-5-12
2	RENEWAL AS PER FCB 2014	4-22-15
3	-	-

SCALE: AS SHOWN
 DATE: 04-22-15

F.B.C.
 (High Velocity Hurricane Zone)

DWG No: SG04-2012

SHEET 10 OF 10